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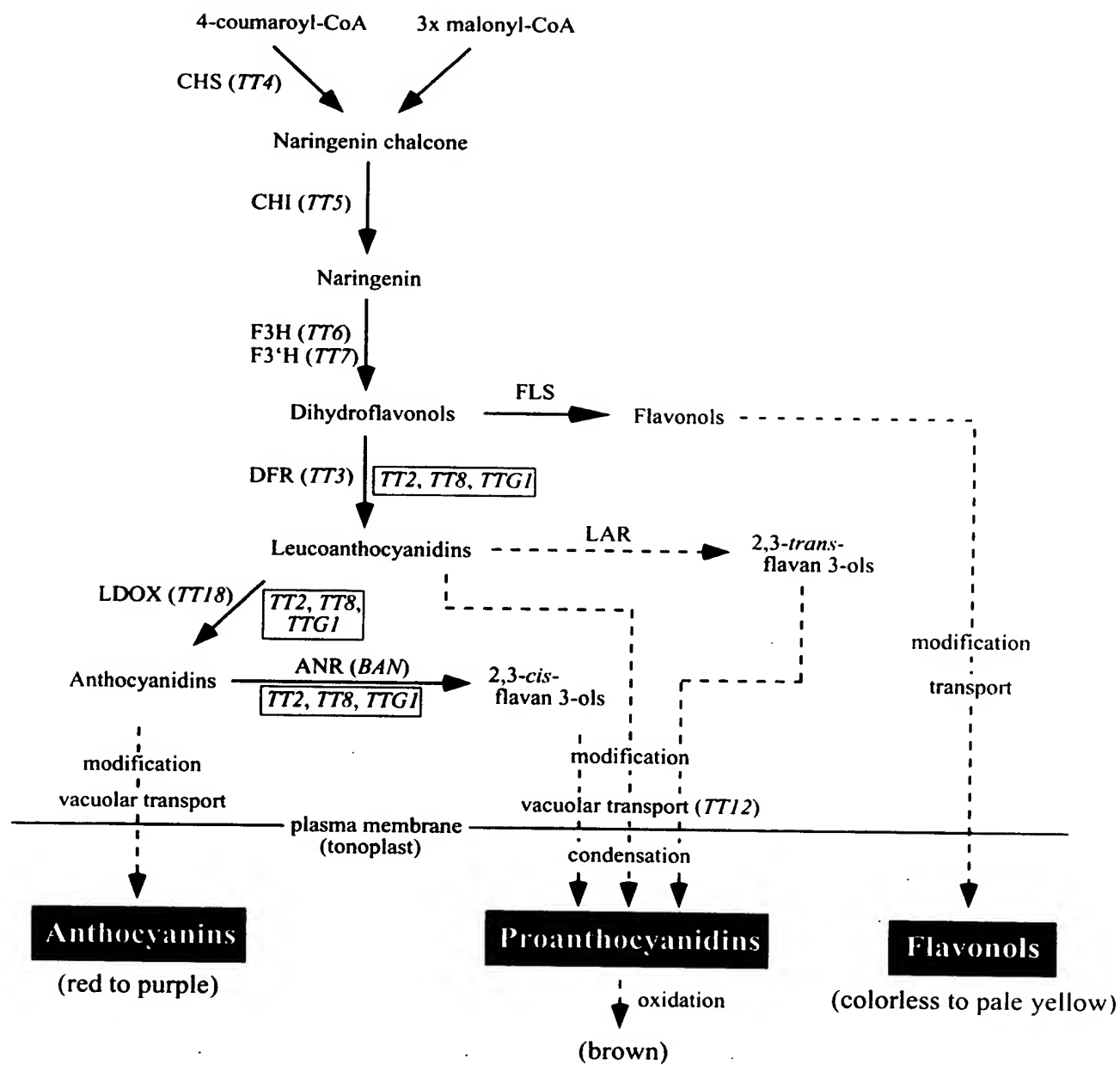
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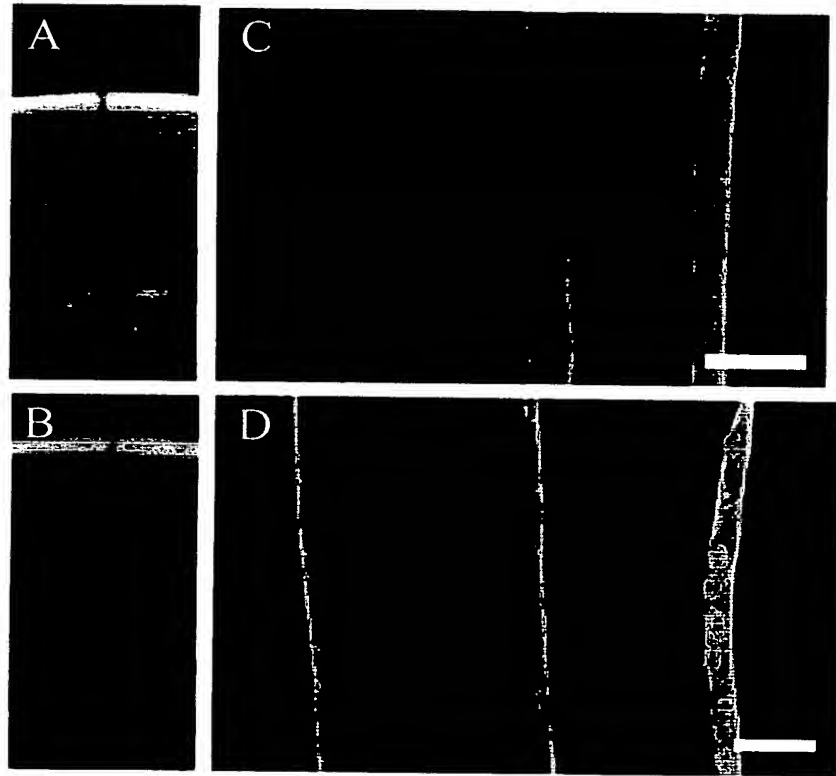
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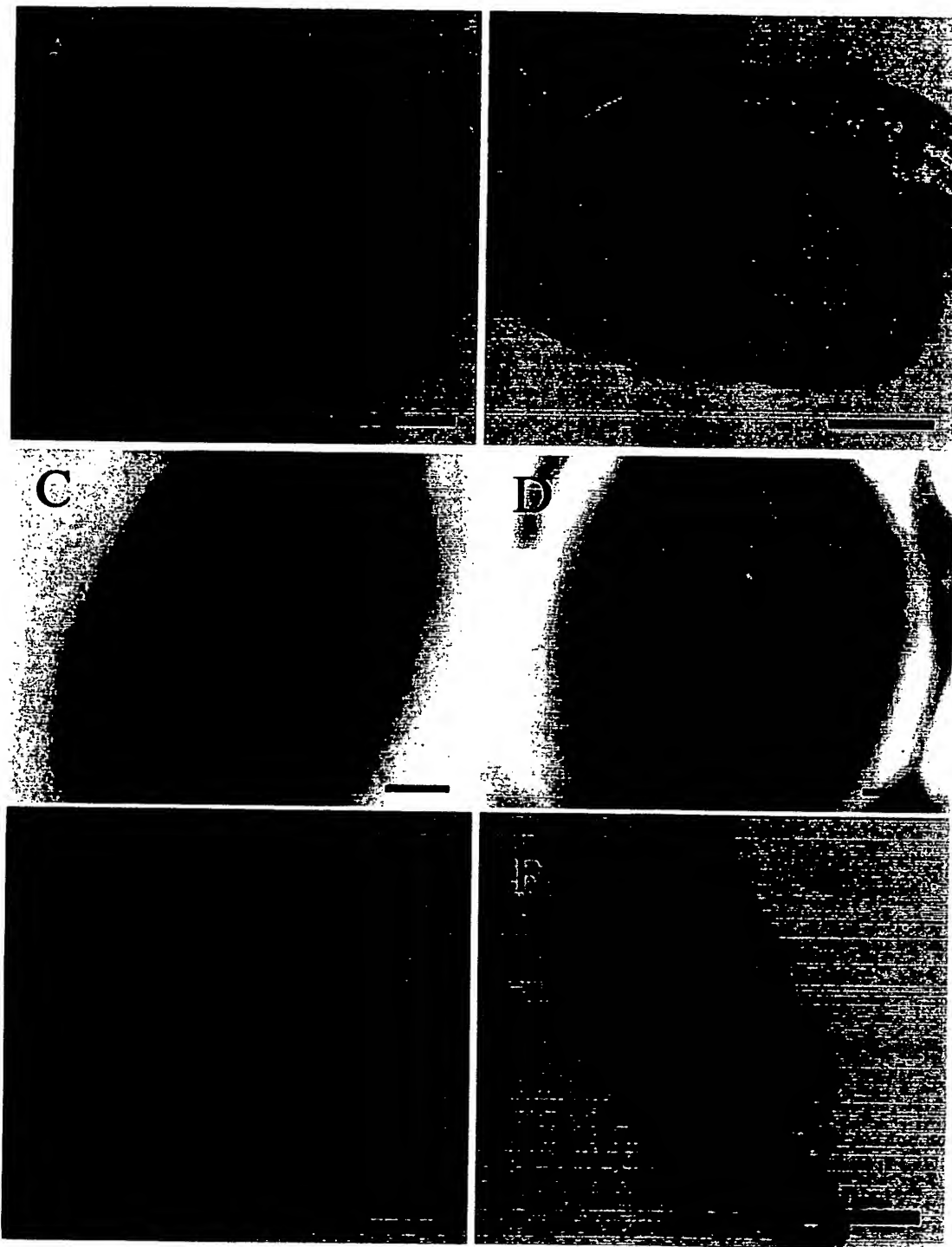
**Fig. 1**



*Fig. 2*

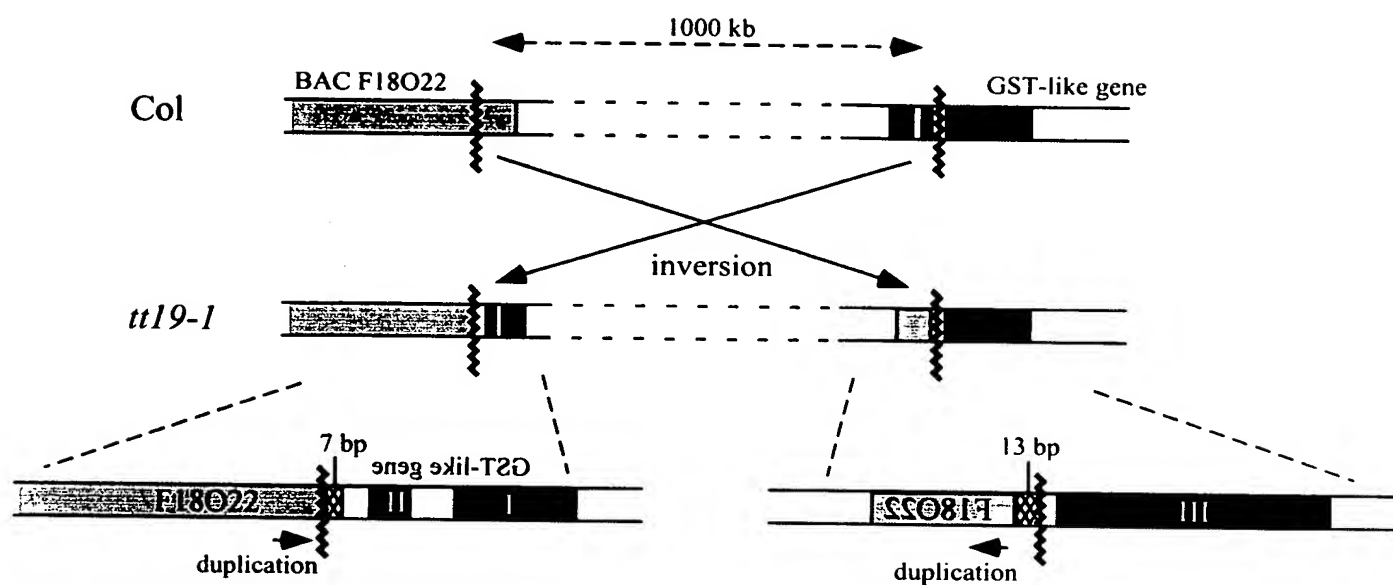


***Fig. 3***

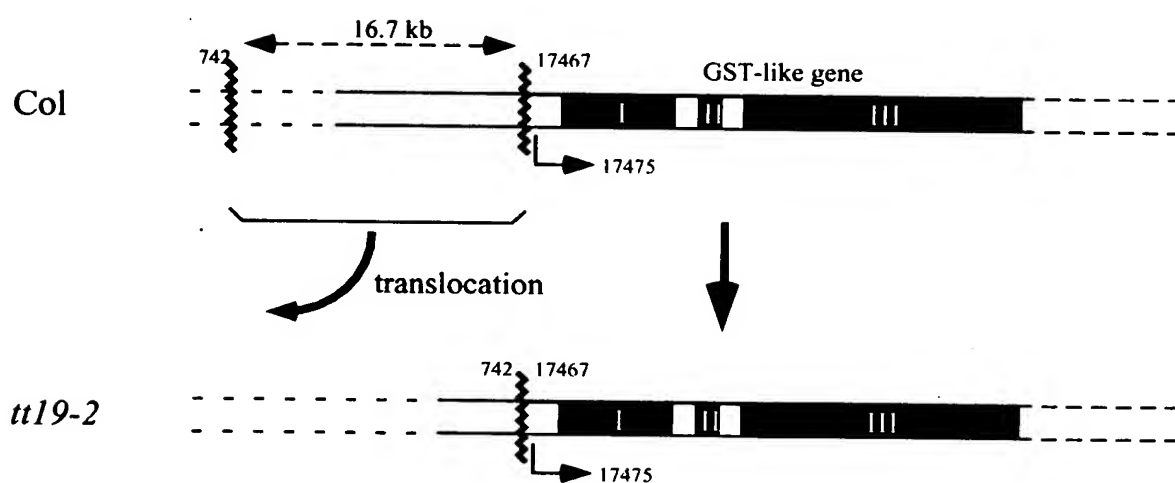


*Fig. 4*

A



B



**Fig. 5**

A

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 At-H36860 ---MVVKVYGGI K A A N P O R V L L C F L E K D I E F E V I H V D L D S L E Q K K P E F L V L Q P - F G Q V P A  
 Ph-AN9 ---MVVKVHGSAMAACQORVIMVCL I E L G V D F E L I H V D L D S L E Q K K P E F L V L Q P - F G Q V P V  
 Nt-parB ---M A I K V H G S P M S T A T I R V A A C L I E K E L D F E F V P V D M A S G E H K K P E F L V L Q P - F G Q V P A  
 Zm-GSTIII ---M A P L K L Y G M P L S P N V V R V A T V L N E K G L D F E I V P V D L T T G A H K Q P D F L A L N P - F G Q I P A  
 Zm-GSTI ---M A P M K L Y G A V M S W L T R C A T A L E E A G S D Y E I V P I N F A T A E H K S P E H L V R N P - F G Q V P A  
 Zm-GSTIV ---M A T P A V K V Y G W A I S P F V S R A L L A L E E A G D Y E L V P M S R O D G H R R P E H L A R N P - F G K M P V  
 Ta-GSTA1 ---M S P V K V F G H P M L T N V A R V L L F L E E V G A E Y E L V P M D F V A G E H K R P Q H V Q L N P - F A K M P G  
 Zm-BZ2 -----M R V L G G E V S P F T A R A R L A L D L R G V A Y E L L - - D E P L G P K K S D R L L A A N P V Y G K I P V

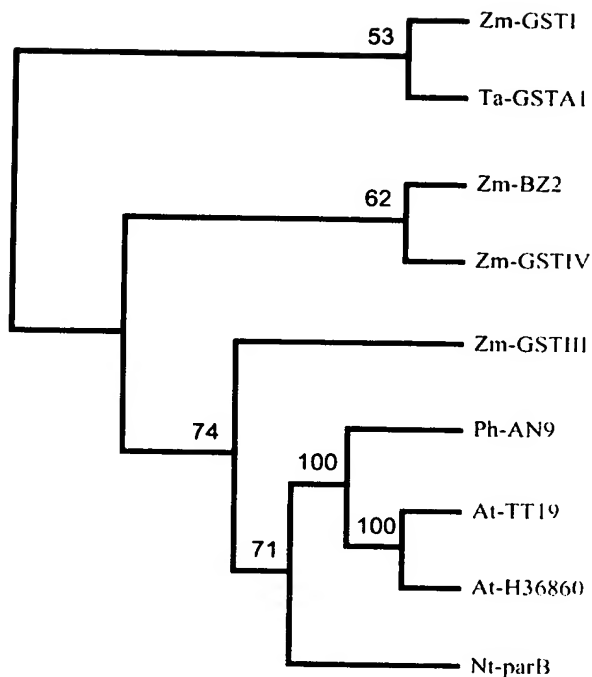
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 At-H36860 I E D G Y - L K L F E S R A I A R Y Y A T K Y A D Q - - - - G T D L L G K T L - - E G R A I V D Q W E V E N N Y F Y  
 Ph-AN9 I E D G D - F R L F E S R A I R Y Y A A K Y E V K - - - - G S K L T G T T L - - E E K A L V D Q W L E V E S N N Y N  
 Nt-parB I E D G D - L K L F E S R A I T O Y I A H Y A D N - - - - G Y Q L I L Q D P - - K K M P S M S W M E V E G Q K F E  
 Zm-GSTIII L V D G D - E V L F E S R A I N R Y I A S K Y A S E - - - - G T D L L P A T A - - S - A A K L E V W L E V E S H H F H  
 Zm-GSTI L O D G D - L Y L F E S R A I C K Y A A R K N K - - - - P E L L R E G N - L E E A M V D V W I E V E A N Q Y T  
 Zm-GSTIV I E D G D - L T L F E S R A I A R H V L R K H K - - - - P E L L G G G R - L E Q T A M V D V W L E V E A H Q L S  
 Ta-GSTA1 F O D G D - L V L F E S R A I A K Y I L R K Y G G T A - - - - G L D L L G E N S G I E E L A M V D V W L E V E A Q O Y Y  
 Zm-BZ2 L L L P D G R A I C E S A V I V Q Y I E D V A R E S G G A E A G S L L P D D P - - Y E R A M H R F W T A F I O D K F W

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 Nt-parB P P A T K L T W E L G I K P I I G - - - - M T T D D A A V K E S E A Q L S K V L D I Y E T Q L A E S K Y L G G - D S F T  
 Zm-GSTIII P N A S P L V F Q L L V R P L L G - - - - G A P D A A V V E K H A E Q L A K V L D V Y E A H L A R N K Y L A G - D E F T  
 Zm-GSTI A A L N P I L F Q V L I S P M L G - - - - G T T D Q K V D E N L E K L K K V L E V Y E A R L T C K Y L A G - D F L S  
 Zm-GSTIV P A I A I V V E C V F A P F L G - - - - R E R N Q A V V D E N V E K L K K V L E V Y E A R L A T C T Y L A G - D F L S  
 Ta-GSTA1 P A I S P V V F E C I I I P F I I P G G G A A P N Q T V V D E S L E R L R G V L G I Y E A R L E K S R Y L A G - D S I T  
 Zm-BZ2 P A L D A V S - - - - L A P T P G - - - - A R A Q A A E D T R A A L S L E E A F K D R S N G R A F F S G G D A A P

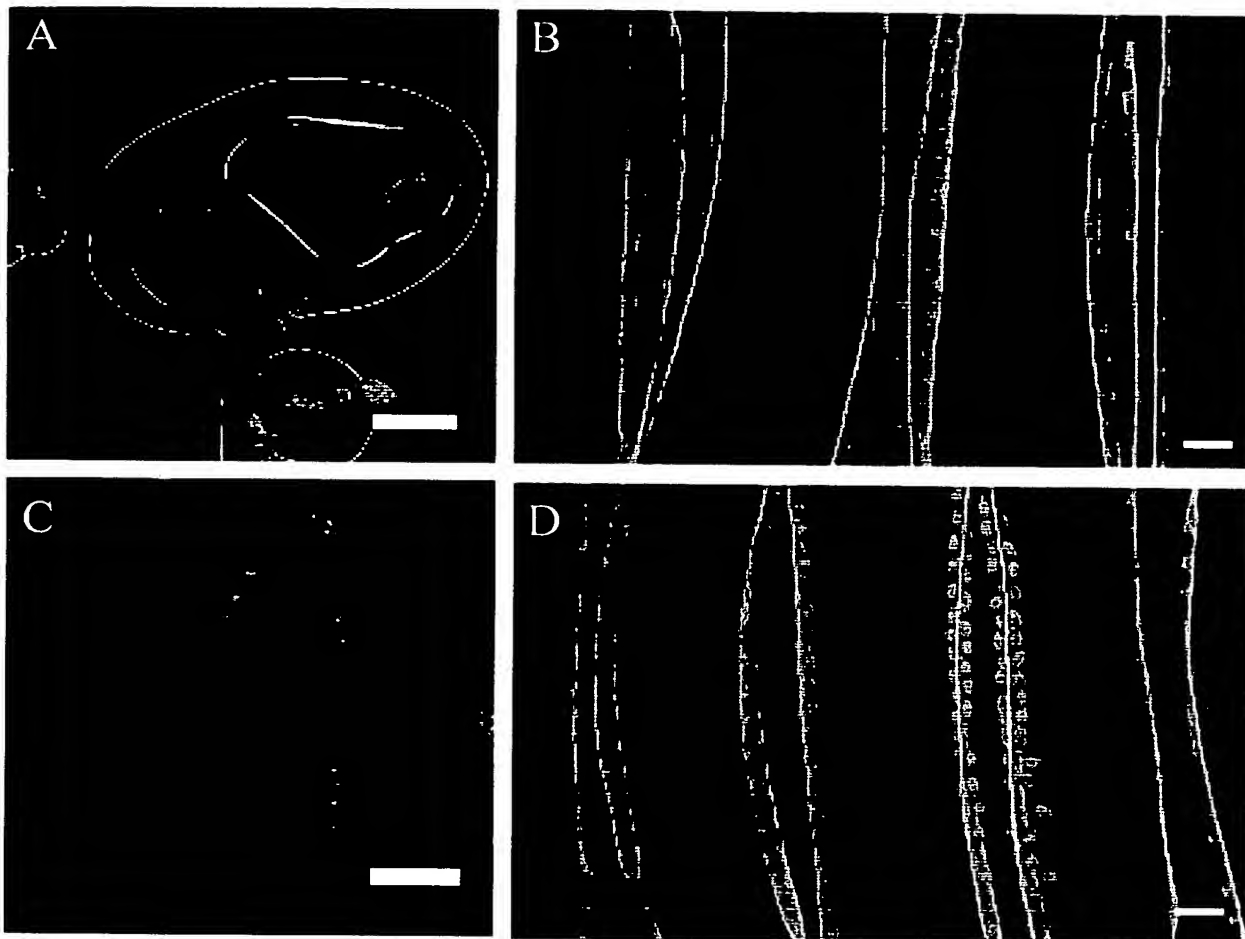
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 Ph-AN9 -L A D L S H L P S L R F L M N E G G F S - - H L V T K - - R K C L H E W Y L D I S S R D S W K K V L D L M K K I S E  
 Nt-parB -L V D L H H I P N I Y Y L M S - S K V K - - E V F D S - - R P R V S A W C A D I L A R P A W K K L E K L O K - - - -  
 Zm-GSTIII -L A D A N H A L L P A L T S A R P P R P - - G C V A A - - R P H V K A W W E A I A A R P A F K T V A A I P L P P P P  
 Zm-GSTI -L A D L N H V S V T L C L F A - T P Y A - - S V L D A - - Y P H V K A W W S G L M E R P S V Q K V A A L M K P S A - -  
 Zm-GSTIV -L A D L S P F T I M H C L M A - T E Y A - - A L V H A - - L P H V S A W W Q L A A R P A A N K V A Q F M P V G A G A  
 Ta-GSTA1 -F A D L N H I P F T F Y F M T - T P Y A - - K V F D D - - Y P K V K A W W E L M A R P A V Q R V C K H M P T E F K L  
 Zm-BZ2 G L L D L A L G C F L P A L R A C E R L H G L S L I D A S A T P L L D G W S Q R F A A H P A A K R V L P D T E K V Q F

At-TT19 -----  
 At-H36860 -----  
 Ph-AN9 I E A V S I P A K E E A K V -  
 Nt-parB -----  
 Zm-GSTIII S S S A - - - - -  
 Zm-GSTI -----  
 Zm-GSTIV P K E Q E - - - - -  
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 Zm-BZ2 T R F L Q V A Q A F R V H V S

B

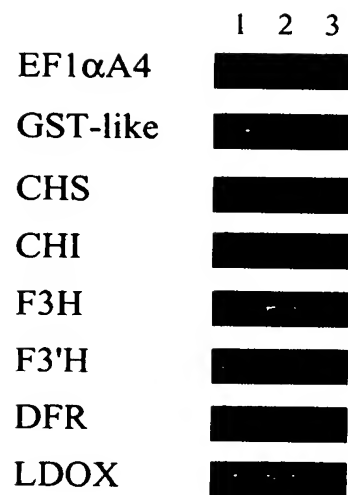


**Fig. 6**

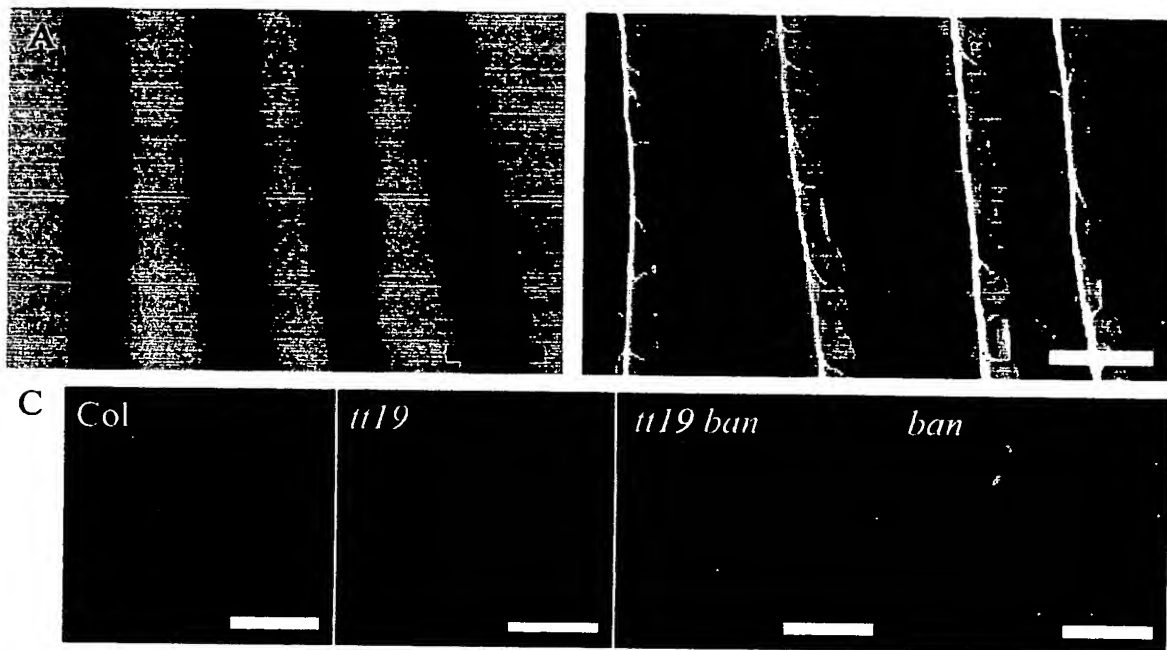


*Fig. 7*

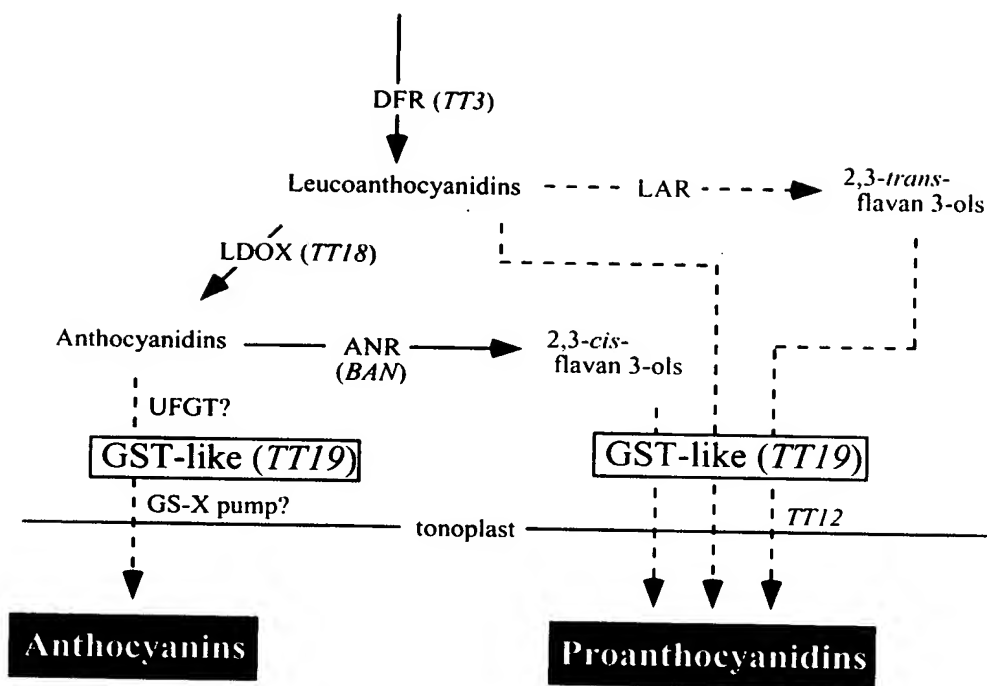




***Fig. 8***



**Fig. 9**



**Fig. 10**